

Converting Colors

$Y_{xy}(28.7150, 0.4707, 0.4837)$

Have a look what the booklet for
Yxy(28.7150, 0.4707, 0.4837)
contains.

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Color

Yxy(28.9297, 0.4612, 0.4720)

Conversions

Conversions Part 1

Format	Color
Hex	B38E00
RGB	179, 142, 0
RGB Percent	70%, 56%, 0%
CMY	0.2979, 0.4432, 0.9999
CMYK	0.00, 0.21, 1.00, 0.30
HSL	48°, 100%, 35%
HSV	48°, 100%, 70%
XYZ	28.2677, 28.9297, 4.0943
YIQ	136.8750, 67.6340, -36.3180

Conversions

Conversions Part 2

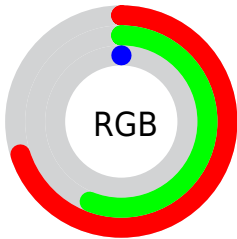
Format	Color
R_{YB}	47, 179, 0
Decimal	11767296
CIE Lab	60.72, 3.06, 65.27
CIE LCh	61, 65.343, 87.314
Yxy	28.9297, 0.4612, 0.4720
Android (android.graphics.Color)	4289957376 (0xFFB38E00)
YUV	136.8750, -67.4794, 36.9436
Hunter-Lab	53.7863, -0.3143, 33.1372

Details

The Yxy color **28.9297, 0.4612, 0.4720** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.5818, 0.1559, 0.0811**, and the grayscale version is **25.2095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8359, 0.4386, 0.4510**, and **11.7192, 0.4671, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **28.9300, 0.4612, 0.4720**, and if you desaturate by 10%, it is **30.0949, 0.4530, 0.4711**.

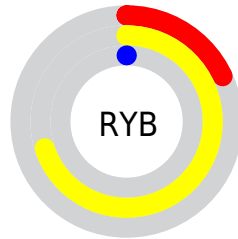
Distribution



Red (70%)

Green (56%)

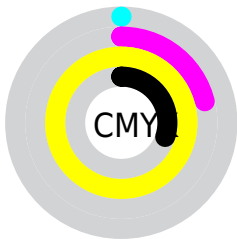
Blue (0%)



Red (18%)

Yellow (70%)

Blue (0%)

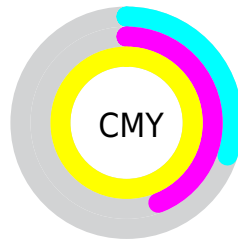


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9297, 0.4612, 0.4720 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 28.9297, 0.4612, 0.4720 by changing the saturation by 10% instead.


 28.9297, 0.4612,
0.4720

 28.9297, 0.4612,
0.4720


296.8831, 0.3905,
0.4056


 19.0276, 0.4741,
0.4833


 57.9654, 0.4382,
0.4511

 11.6903, 0.4894,
0.4960


 77.8678, 0.4286,
0.4421


 6.5331, 0.4986,
0.5014


 101.8724, 0.4201,
0.4341

 3.1719, 0.5017,
0.4983

 130.3637, 0.4127,
0.4270

 1.2221, 0.5070,
0.4930

 163.7260, 0.4061,
0.4207

 0.0797, 0.6538,
0.3462

 202.3438, 0.4003,

 0.0000, 0.0000,

0.4151


0.0000


 246.6013, 0.3951,
0.4101

 28.9297, 0.4612,
0.4720

 28.9297, 0.4612,
0.4720


 28.9300, 0.4612,
0.4720

 30.0949, 0.4530,
0.4711

 31.3351, 0.4423,
0.4663

 32.6672, 0.4290,
0.4570

 34.0987, 0.4135,
0.4437

 35.6361, 0.3966,
0.4272

■ 37.2851, 0.3789,
0.4085

■ 39.0509, 0.3613,
0.3886

■ 40.9381, 0.3441,
0.3683

■ 42.9513, 0.3279,
0.3483

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.9297, 0.5142, 0.3991



28.9297, 0.4612, 0.4720



28.9297, 0.3748, 0.5244

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.9297, 0.4612, 0.4720



28.9297, 0.1504, 0.2823



28.9297, 0.3194, 0.2118

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.9297, 0.4612, 0.4720



4.5818, 0.1559, 0.0811

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



28.9297, 0.2252, 0.1826



28.9297, 0.4612, 0.4720



28.9297, 0.1421, 0.2098

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.9297, 0.4612, 0.4720



28.9297, 0.1961, 0.3990



28.9297, 0.1665, 0.1801



28.9297, 0.4296, 0.2633

Rectangle

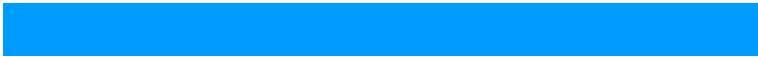
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.9297, 0.4612, 0.4720



28.9297, 0.3101, 0.5225



28.9297, 0.1665, 0.1801



28.9297, 0.2845, 0.1993

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.9311, 0.4612, 0.4720



69.7494, 0.3622, 0.3896



9.7322, 0.6024, 0.3092



15.1563, 0.3695, 0.3980



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.9311, 0.4612, 0.4720



51.4650, 0.4620, 0.4714



36.8630, 0.3702, 0.5443



9.6022, 0.3268, 0.3469



20.5323, 0.4606, 0.4725



0.7214, 0.4471, 0.4832

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.5818, 0.1559, 0.0811



7.9431, 0.1553, 0.0789



3.9530, 0.1684, 0.0701



8.5056, 0.2985, 0.3104



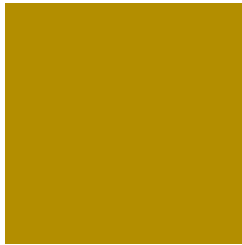
3.3142, 0.1564, 0.0828



0.1869, 0.1705, 0.1338

Previews

White Background



This preview shows how the Yxy color 28.9297, 0.4612, 0.4720 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 28.9297, 0.4612, 0.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.9297, 0.4612, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 28.9297, 0.4612, 0.4720.



This preview shows how white text looks on a background with the Yxy color 28.9297, 0.4612, 0.4720.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.9297, 0.4612, 0.4720

Protanopia

28.9920, 0.4394, 0.4861

Deuteranopia

28.9285, 0.4703, 0.4605



Tritanopia

28.8946, 0.3641, 0.3151

Trichromacy



Original Color

28.9297, 0.4612, 0.4720

Protanomaly

28.9197, 0.4478, 0.4806

Deuteranomaly

28.8388, 0.4667, 0.4650

Tritanomaly

28.4138, 0.4182, 0.3938

Monochromacy



Original Color

28.9297, 0.4612, 0.4720

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.8288, 0.3826, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9297, 0.4612, 0.4720 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(179, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 142, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(179, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 142, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.9297, 0.4612, 0.4720 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 142, 0) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(179, 142, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(179, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 142,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9297, 0.4612, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 142, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(179,  
142, 0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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